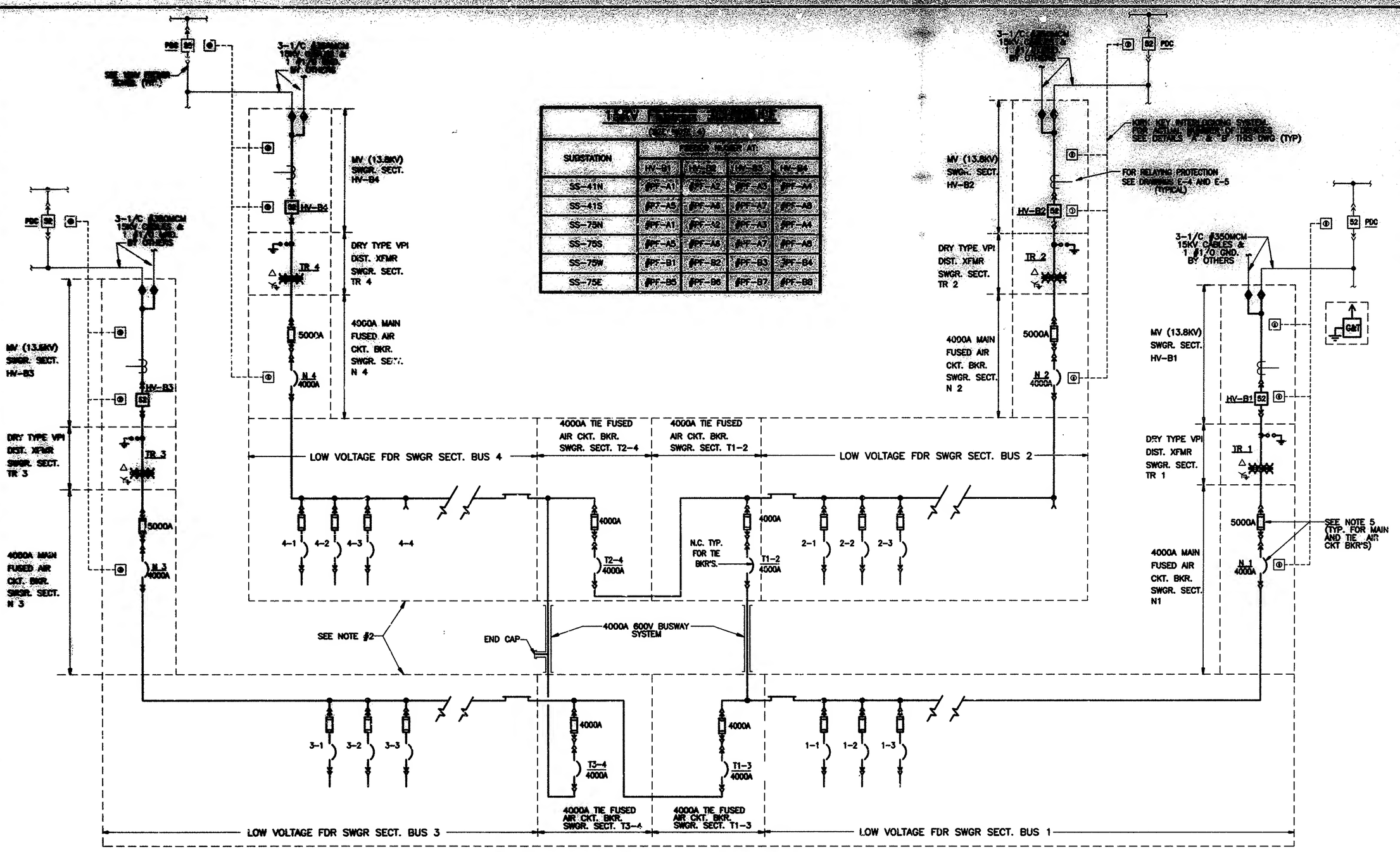
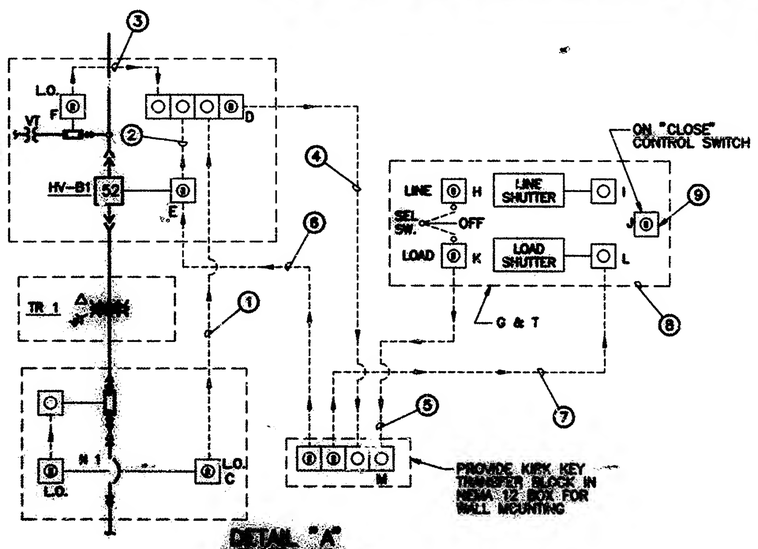
SUBSTATION	PRIMARY FEEDER AT:			
	HV-B1	HV-B2	HV-B3	HV-B4
SS-41N	PF-A1	PF-A2	PF-A3	PF-A4
SS-41S	PF-A5	PF-A6	PF-A7	PF-A8
SS-75N	PF-A1	PF-A2	PF-A3	PF-A4
SS-75S	PF-A5	PF-A6	PF-A7	PF-A8
SS-75W	PF-B1	PF-B2	PF-B3	PF-B4
SS-75E	PF-B5	PF-B6	PF-B7	PF-B8



TYPICAL SUBSTATION ONE LINE DIAGRAM

DETAIL "A" KEY INTERLOCKING SEQUENCE FOR GROUNDING THE LOAD SIDE OF THE MEDIUM VOLTAGE (13.8KV) VACUUM CKT BKR "HV-B1"

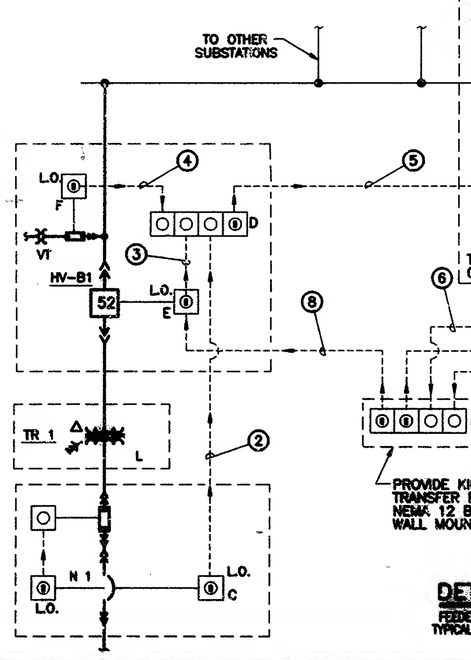
1. OPEN BKR "PDC-A1" – LOCK OPEN INSERT KEY "PDC-A" IN BLOCK "PDC-B"
2. OPEN BKR "N 1" – LOCK OPEN INSERT KEY "C" IN BLOCK "D"
3. OPEN & RACK OUT BKR "HV-B1" – LOCKOUT CUBICLE INSERT KEY "E" IN BLOCK "D"
4. RACK OUT BKR "HV-B1" VT.S – LOCK OPEN INSERT KEY "F" IN BLOCK "D"
5. INSERT KEY "D" IN BLOCK "PDC-B"
6. INSERT KEY "PDC-B" IN BLOCK "G"
7. ROTATE G&T DEVICE SEL. SW. TO "LINE" POSITION INSERT KEY "H" IN BLOCK "G"
8. INSERT KEY "G1" IN BLOCK "E" UNLOCK CUBICLE–INSERT G&T
9. INSERT KEY "G2" IN BLOCK "I" TO START SEQUENCE OF UNLOCKING G&T "LINE SHUTTER"
10. CLOSE G&T ("LINE SHUTTER" CAN BE OPEN AT THIS STAGE FOR TEST PROBES INSERTION)
11. REMOVE AND POCKET KEY "J"



DETAIL "A"
TYPICAL FOR ALL FEEDERS

DETAIL "B" KEY INTERLOCKING SEQUENCE FOR GROUNDING THE LINE SIDE OF THE MEDIUM VOLTAGE (13.8KV) VACUUM CKT BKR "HV-B1"

1. OPEN BKR "PDC-A1" – LOCK OPEN INSERT KEY "PDC-A" IN BLOCK "PDC-B"
2. OPEN BKR "N 1" – LOCK OPEN INSERT KEY "C" IN BLOCK "D"
3. OPEN & RACK OUT BKR "HV-B1" – LOCKOUT CUBICLE INSERT KEY "E" IN BLOCK "D"
4. RACK OUT BKR "HV-B1" VT.S – LOCK OPEN INSERT KEY "F" IN BLOCK "D"
5. INSERT KEY "D" IN BLOCK "PDC-B"
- REPEAT STEPS (2) THRU (5) FOR ALL SUBSTATIONS
6. INSERT KEY "PDC-B" IN BLOCK "G"
7. ROTATE G&T DEVICE SEL. SW. TO "LINE" POSITION INSERT KEY "H" IN BLOCK "G"
8. INSERT KEY "G1" IN BLOCK "E" UNLOCK CUBICLE–INSERT G&T
9. INSERT KEY "G2" IN BLOCK "I" TO START SEQUENCE OF UNLOCKING G&T "LINE SHUTTER"
10. CLOSE G&T ("LINE SHUTTER" CAN BE OPEN AT THIS STAGE FOR TEST PROBES INSERTION)
11. REMOVE AND POCKET KEY "J"



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